Microsoft

Exam Questions 70-516
TS: Accessing Data with Microsoft .NET Framework 4
Question No : 1

You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application.

The application contains the following code segment. (Line numbers are included for reference only.)

01 class DataAccessLayer  
  
02 {  
  03 private static string connString;  
  04  
  05 ...  
  
06 public static DataTable GetDataTable(string command){  
      
07  
08 ...  
  09 }  
  10 }  

You need to define the connection life cycle of the DataAccessLayer class. You also need to ensure that the application uses the minimum number of connections to the database.

What should you do?

A. Insert the following code segment at line 04.

private static SqlConnection conn = new SqlConnection(connString);

public static void Open(){
    conn.Open();
}

public static void Close(){
    conn.Close();
}

B. Insert the following code segment at line 04.

private SqlConnection conn = new SqlConnection(connString);

public void Open(){
    conn.Open();
}

public void Close(){
    conn.Close();
}

C. Replace line 01 with the following code segment.

class DataAccessLayer : IDisposable

Insert the following code segment to line 04.

private SqlConnection conn = new SqlConnection(connString);

public void Open(){
    conn.Open();
}

public void Dispose(){
    conn.Close();
}
D. Insert the following code segment at line 07.

```csharp
using (SqlConnection conn = new SqlConnection(connString)) {
    conn.Open();
}
Answer: D
```

Question No : 2

You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create a Windows Communication Foundation (WCF) Data Services service.

You discover that when an application submits a PUT or DELETE request to the Data Services service, it receives an error.

You need to ensure that the application can access the service.

Which header and request type should you use in the application?

A. an X-HTTP-Method header as part of a POST request
B. an X-HTTP-Method header as part of a GET request
C. an HTTP ContentType header as part of a POST request
D. an HTTP ContentType header as part of a GET request

Answer: A

Question No : 3

You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create a Windows Communication Foundation (WCF) Data Services service. The service connects to a Microsoft SQL Server 2008 database. The service is hosted by an Internet Information Services (IIS) 6.0 Web server.

The application works correctly in the development environment. However, when you connect to the service on the production server, attempting to update or delete an entity results in an error.

You need to ensure that you can update and delete entities on the production server.

What should you do?

A. Add the following line of code to the InitializeService method of the service. `config.SetEntitySetAccessRule (***, EntitySetRights.WriteDelete | EntitySetRights.WriteInsert);`
B. Add the following line of code to the InitializeService method of the service. `config.SetEntitySetAccessRule (***, EntitySetRights.WriteDelete | EntitySetRights.WriteMerge);`
C. Configure IIS to allow the PUT and DELETE verbs for the .svc Application Extension.
D. Configure IIS to allow the POST and DELETE verbs for the .svc Application Extension.

Answer: C

Question No : 4

You use Microsoft .NET Framework 4 to develop an application that connects to a Microsoft SQL Server 2008 database by using SQL Server authentication. The application contains the following connection string. `SERVER=DBSERVER-01; DATABASE=pubs; uid=sa; pwd=secret;` You need to ensure that the password value in the connection string property of a SqlConnection object does not exist after the Open method is called.

What should you add to the connection string?

A. Persist Security Info=True
B. Trusted_Connection=True
C. Persist Security Info=False
D. Trusted_Connection=False

Answer: C
Question No : 5

You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. The application connects to a Microsoft SQL Server database. The application uses the ADO.NET Entity Framework to manage order data. The application makes a Web service call to obtain orders from an order-tracking system.

You need to ensure that the orders are added to the local data store.

Which method should you call on the ObjectContext?

A. Attach
B. AttachTo
C. AddObject
D. ApplyCurrentValues

Answer: C

Question No : 6

You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. The application connects to a Microsoft SQL Server database. The application uses the ADO.NET Entity Framework to model entities. The database includes objects based on the exhibit. (Click the Exhibit button.)

The application includes the following code segment. (Line numbers are included for reference only.)

```
01 using (AdventureWorksEntities advWorksContext = new AdventureWorksEntities()){
03 }
```

You need to retrieve a list of all Products from today's sales orders for a specified customer. You also need to ensure that the application uses the minimum amount of memory when retrieving the list.

Which code segment should you insert at line 02?

A. Contact customer = context.Contact.Where("it.ContactID =
@customerId", new ObjectParameter("customerId", customerId)).First();
customer.SalesOrderHeader.Load();
foreach (SalesOrderHeader order in customer.SalesOrderHeader)
{
    order.SalesOrderDetail.Load();
    if (order.OrderDate.Date == DateTime.Today.Date)
    {
        foreach (SalesOrderDetail item in order.SalesOrderDetail)
        {
            Console.WriteLine(String.Format("Product: {0} ", item.ProductID));
        }
    }
}
B. Contact customer = context.Contact.Where("it.ContactID =
@customerId", new ObjectParameter("customerId", customerId)).First();
customer.SalesOrderHeader.Load();
foreach (SalesOrderHeader order in customer.SalesOrderHeader)
{
    if (order.OrderDate.Date == DateTime.Today.Date)
    {
        order.SalesOrderDetail.Load();
    }
```
foreach (SalesOrderDetail item in order.SalesOrderDetail)
{
    Console.WriteLine(String.Format("Product: {0} ", item.ProductID));
}
}

C. Contact customer = (from contact in context.Contact.Include("SalesOrderHeader")
    select contact).FirstOrDefault();

foreach (SalesOrderHeader order in customer.SalesOrderHeader)
{
    order.SalesOrderDetail.Load();
    if (order.OrderDate.Date == DateTime.Today.Date)
    foreach (SalesOrderDetail item in order.SalesOrderDetail)
    {
        Console.WriteLine(String.Format("Product: {0} ", item.ProductID));
    }
}

D. Contact customer = (from contact in context.Contact.Include("SalesOrderHeader.SalesOrderDetail")
    select contact).FirstOrDefault();
foreach (SalesOrderHeader order in customer.SalesOrderHeader) { if (order.OrderDate.Date == DateTime.Today.Date) { foreach (SalesOrderDetail item in order.SalesOrderDetail) { Console.WriteLine(String.Format("Product: {0} ", item.ProductID)); } } }

Answer: B

Question No : 7
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create a Microsoft ASP.NET application.

You want to connect the application to a Microsoft SQL Server Express 2008 database named MyDatabase. The primary database file is named MyDatabase.mdf and it is stored in the App_Data folder.

You need to define the connection string.

Which connection string should you add to the Web.config file?

A. Data Source=localhost; Initial Catalog=MyDataBase; Integrated Security=SSPI; User Instance=True
B. Data Source=\.\SQLEXPRESS; Initial Catalog=MyDataBase; Integrated Security=True; User Instance=True
C. Data Source=\.\SQLEXPRESS; AttachDbFilename=|DataDirectory|\MyDatabase.mdf; Integrated Security=True; User Instance=True
D. Data Source=SQLEXPRESS; AttachDbFilename=|DataDirectory|\App_Data\MyDatabase.mdf; Integrated Security=SSPI; User Instance=True

Answer: C

Question No : 8
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. You use the ADO.NET Entity Framework to model entities.

You write the following code segment. (Line numbers are included for reference only.)

01 AdventureWorks Entities context = new AdventureWorksEntities {
02 "http://localhost:1234/AdventureWorks.svc "
03 } ;
05 var q = from c in context.Customers
06 where c.City == "London"
07 orderby c.CompanyName
08 select c;

You need to ensure that the application meets the following requirements:

. Compares the current values of unmodified properties with values returned from the data source.
. Marks the property as modified when the properties are not the same

Which code segment should you insert at line 04?

A. context.MergeOption = MergeOption.AppendOnly;
B. context.MergeOption = MergeOption.PreserveChanges;
C. context.MergeOption = MergeOption.OverwriteChanges;
D. context.MergeOption = MergeOption.NoTracking;

Answer: B
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